

## BUICK IMPROVED IN BODY AND MOTOR

Large Four Passenger Coupe Has Been Added to 1921 Line.

"Improvements in body design are what would first impress an observer of the new Buick 1921 models," says H. H. Bassett, president and general manager of the Buick Motor Company. "Yet those who are mechanically inclined will find that the changes have not been confined to improved body types alone. The mechanical refinements are many."

The new Buick line includes seven models, four closed and three open body types. A large four passenger coupe is an addition to the Buick 1921 series.

The radiator, hood and cowl lines have been improved, to give the cars a low slung, graceful appearance. To make easier the adjustment and care of working parts in the motor and on the chassis a number of improvements have been made. For instance, the adjustment of the clutch can now be made with a wrench beneath the floor board, while batteries in the closed models are likewise accessible through a small door in the floor boards. Water can be drained from the radiator by simply turning a handle inside the hood, and

much in the same way oil can be drained from the crankcase.

The Buick valve-in-head motor, with its automatically lubricated rocker arms, now has its timing gears automatically lubricated.

Smoother riding qualities have been insured by improved spring suspension. Front springs on the closed cars, as well as on the seven passenger open car, have been equipped with snubbers.

All open models are equipped with a new Buick designed top, which by eliminating an additional bow leaves a clear view in all directions. Side curtains that swing with the doors are provided in all open models. Top trons have been eliminated, but may be attached if the owner wishes to drive with his top down.

All closed models are equipped with gasoline gauge registering on dash; open models with a gauge located on gas tank. Closed models have anti-glare sunshades and improved windshield cleaner.

Features of the various models are as follows:

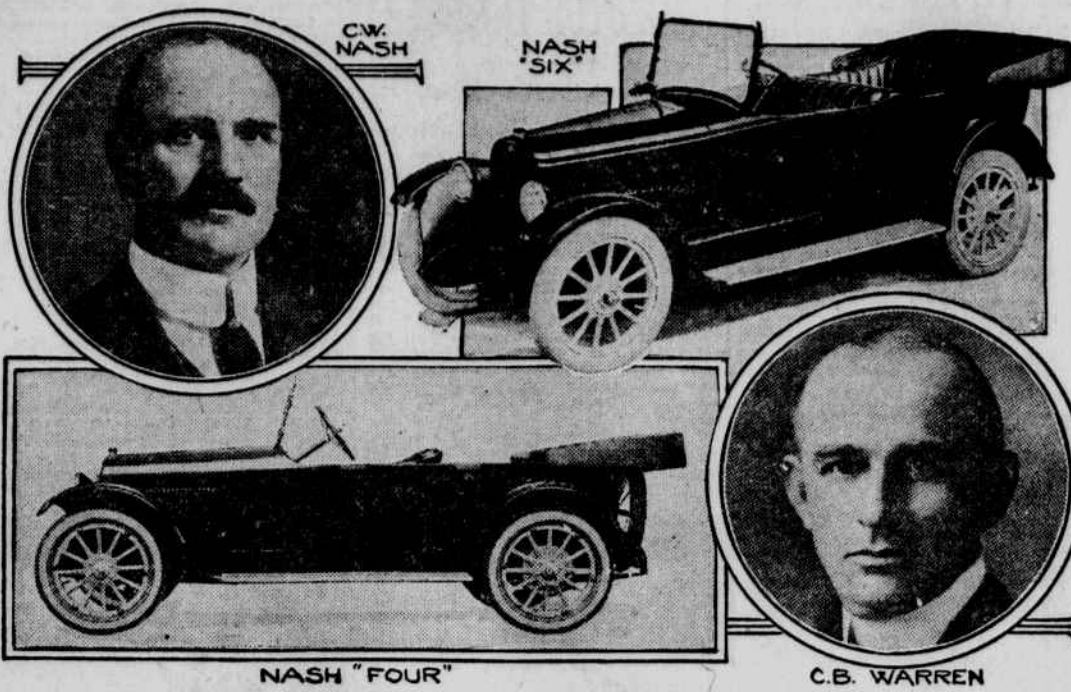
Three Passenger Roadster—The widened rear of body makes for greater riding and driving comfort. There are two carrying compartments, one back of seat and one beneath rear deck. It is equipped with a tire carrier.

Five Passenger Open Car—Driving compartments are more liberally spaced and heights of seats arranged for greater riding comfort. Openings between gas tank and rear fenders closed to protect car body from mud.

Four Passenger Coupe—Seats are arranged for greater comfort. Extra seat in car may be swung out of way under cowl. Back of driver's seat is small compartment in addition to larger compartment beneath rear deck.

Five Passenger Sedan—Four doors

## Nash Cars and the Men Behind Them.



NASH "FOUR"

C.B. WARREN

give access to large front and rear compartment. Doors are large and equipped with double safety latches which are standard equipment in all closed models.

Large Four Passenger Coupe—This is a new addition to line, built on the same chassis as the large seven passenger sedan. It is large and roomy. At right and rear of driver's seat is wide seat for two. There is an additional seat to right of driver's seat, with arms and back rest, which may be folded under the cowl. There are compartments back of driver's seat and under rear deck.

Seven Passenger Open Car—Door openings are wider. Greater room has been obtained in tonneau for two extra passengers by change in design. Two handy folding seats are arranged to give liberal space to all occupants in rear compartment. When not in use they may be folded into back of front seat.

Seven Passenger Sedan—Possesses all desirable refinements of appointments. Upholstery is rich car plush. Two folding seats disappear completely when desired. Altered body lines make for more generous seating arrangements. Ventilation is controlled by adjustable windows and windshield.

## LIGHT HAYNES CAR MAKES ITS DEBUT

New Model Has Six Cylinder Motor and Accommodates Five Passengers.

One of the biggest sensations of the 1921 automobile show is the debut of the long heralded and eagerly awaited smaller and lighter Haynes car which is listed at \$1,985. The Haynes Fifty is the name adopted by the Haynes Automobile Company, Kokomo, Ind., for its latest creation.

Sturdy and powerful, and possessing the typical Haynes open car body lines, the new Haynes Fifty is distinctive among the smaller cars. The body is mounted on a 121-inch wheelbase chassis and accommodates five passengers. One of the salient features of the new

Haynes Fifty is the famous Haynes light six engine, which gives the smaller and lighter car such power and enables it to develop exceptional speed.

The high, broad-arched hood gives the new car an imposing appearance, while the brilliant lustre of the rich Brewster green finish and the genuine leather upholstery stamp the new car as being fully up to the approved Haynes standards of manufacture and workmanship.

The rear curtain is carried around the sides of the body to the rear top bow. A bevel plate glass window with a nickel plated frame adorns the rear quarter of the top. The curtains are close fitting and open with the doors.

The battery and tool compartments are conveniently placed under the front seat. There is additional space under the rear seat. A heavy pressed steel covering is placed over the gasoline tank at the rear of the frame. The windshield is of the two piece sloping type. Unique side ventilators, built into the cowl on both sides near the floor line, provide plenty of cool, fresh air in the driving compartment. When closed they are storm proof and are flush with the body. In either position the ventilators are free from rattle.

The chassis frame is unusually sturdy, consisting of 6 inch channel section side rails of pressed carbon steel with five cross members to insure rigidity and prevent side sway.

Extreme roadability and easy riding qualities are insured by the long semi-elliptic front and rear springs, designed especially by Haynes engineers.

A new feature of the Haynes Fifty is the electric starter, which is controlled by a magnetic switch operated by a finger button.

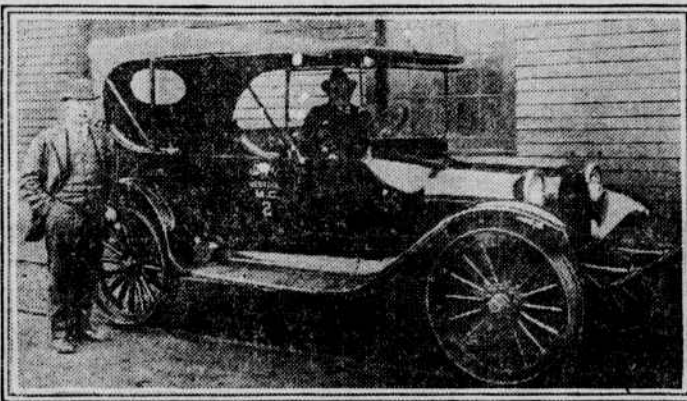
Four cord tires 23 by 4 inches and a spare tire carrier attached to the rear of the frame are standard equipment.

Haynes engineers and designers have been developing the new Haynes Fifty over a long period of years and have incorporated into its design and construction the most advanced ideas of automotive engineering. The appearance of the new Haynes Fifty is creating a marked sensation, and it is reported that the estimated demand for this new Haynes product will run into many thousands of spring car orders.

## CANADIAN SUPERVISOR APPOINTED BY LIBERTY.

L. Logie, formerly general sales manager of the Chalmers-Maxwell companies for Canada, and more recently associated with the tractor business in Toronto, has just been appointed district supervisor of Canada for the Liberty Motor Car Company of Detroit. His work will include building up the dealer organization in Canada for the Liberty Six.

## Dodge Car Runs on Rails.

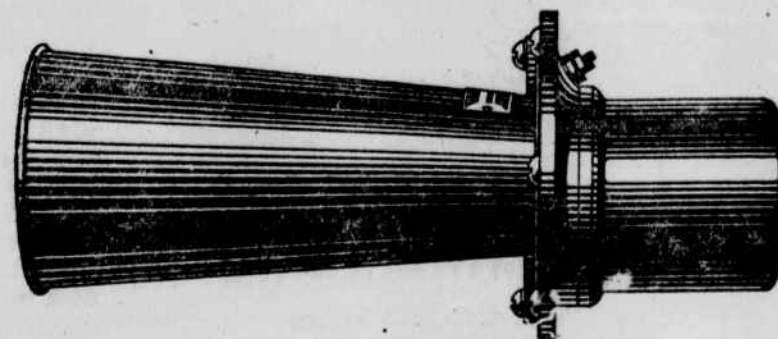


W. H. Wright, superintendent of the Savannah division of the Central Railroad of Georgia, inspects the property on his division with more comfort, thoroughness and speed and at a lower cost than most divisional superintendents in America. In former days he covered his division with a special train consisting of a locomotive and coach, which required the services of an engineer, fireman and conductor.

To attain greater flexibility in his regular inspections he had a Dodge Brothers motor car equipped with standard gauge

steel flanged wheels. This unique car is driven by Mr. Wright himself, and in addition to the occupants it carries the varied accessories necessary to the superintendent in his work. At times the car is despatched down the road only a few minutes ahead of important passenger trains, so confident are the officials of the motor's power and reliability. It proved so successful in several years of operation that other divisions have been similarly equipped. At present there are ten or more of the cars in operation on railroads in and around Atlanta.

## SPARTON MOTORHORNS



The proof of value in a SPARTON Motorhorn is the service it gives.

One SPARTON, without a single adjustment, is in service on a car that has done over 129,000 miles.

Another SPARTON, on a car bought in 1914, is daily giving proof of its worth after service on three cars whose combined mileage is over 110,500 miles.

Over forty of the best cars made in America carry SPARTON Motorhorns.

For over five years the cars listed below have been SPARTON equipped:

Packard  
Marmon  
Hudson

Cole  
National  
Peerless  
Studebaker

Kissel  
Mercer  
Jordan

The Sparks-Withington Company  
Main Office: Jackson, Michigan

Factories:  
Jackson, Cleveland



Cleveland Office:  
622 Sweetland Building

FIRST CHOICE OF AMERICA'S BEST CARS

## ACCESSORY STORES TO OPEN IN CITY

United Auto Stores, Inc., Will Establish Fifteen or Twenty Branches.

"Within the next six months we expect to open and have operating at least fifteen to twenty of our stores in the Metropolitan district."

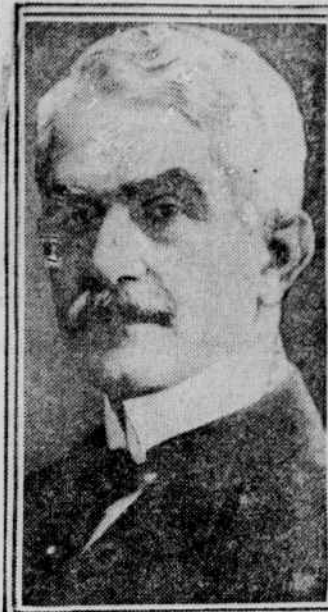
This announcement was made yesterday by E. B. P. Carrier, president of United Auto Stores, Inc., one of the largest merchandising chain store systems of tire and accessories stores in America, in an interview at the company's New York office, 15 East Forty-first street.

"We are now completing a thorough investigation of trade conditions in this field," continued Mr. Carrier, "and on account of our successful efforts in the last year we feel confident that our new stores in the New York district will meet with a ready buying responsiveness. We also intend to install in many small communities on Long Island and in nearby points our fully equipped agencies. The opening of our small town agencies, in addition to our large network of stores, at present located in thirty-five cities will eliminate much of the mail order business which has proven sadly lacking in the case of accessories, the urgent necessity of which cannot wait upon the parcel post or express."

"Production of automobiles and trucks during the next six months promises to surpass the best boom years of this industry, which means that the attendant consumption of tires and accessories will be greatly increased. When you realize that last year more than one billion dollars worth of automobile supplies were used in this country it is easily understood that the merchandising of this line is far from having reached its limit."

"The advent of the chain store in the retailing of tires and accessories is gradually but effectively removing the fly in the ointment that has heretofore handicapped this business. That has been the get-as-much-as-you-can methods of the fly by night dealers."

## Dort Optimistic.



J. D. DORT.

"Recent reassuring remarks from Gov. Harding of the Federal Reserve, Comptroller Williams and Secretary Houston have produced in the minds of the people a more comfortable and confident attitude," says J. D. Dort.

"These men have started the wind blowing in the right direction by showing us how very sound is our physical and economic structure—how really substantial a foundation exists for firm faith in the future."

It is heartening to note the confidence business men are displaying and the helpfulness they are extending to one another. Each carries his load with splendid spirit, fully mindful that the other fellow has his problem also.

"All those interested in the automobile industry may rest assured that as conditions brighten they will be among the first to feel the impulse of the change. The motor car has taken its place as one of the real necessities of American life."

## NEW GAS FEED SYSTEM.

Sparton Fuel Feeder Pumps Gasoline in Proportion Needed.

Among announcements of new things in the automotive industry during the last year is the Sparton fuel feeder. This entirely new principle of handling gasoline is not an experiment but the result of years of research and testing which have demonstrated the correctness of the idea.

By the use of the Sparton fuel feeder gas is pumped surely and steadily in proportion to the needs of the motor. It is operated by a positive force, compression from the cylinder to which it is attached. The compression operates a pump in the fuel feeder tank, and gas is pumped to meet every demand of the engine.

With the Sparton fuel feeder installed there can be no such thing as an exhausted gasoline supply when climbing hills, in mud, sand or snow where the motor is laboring hard at slackened speed. The greater the call on the engine the greater the amount of gasoline supplied.

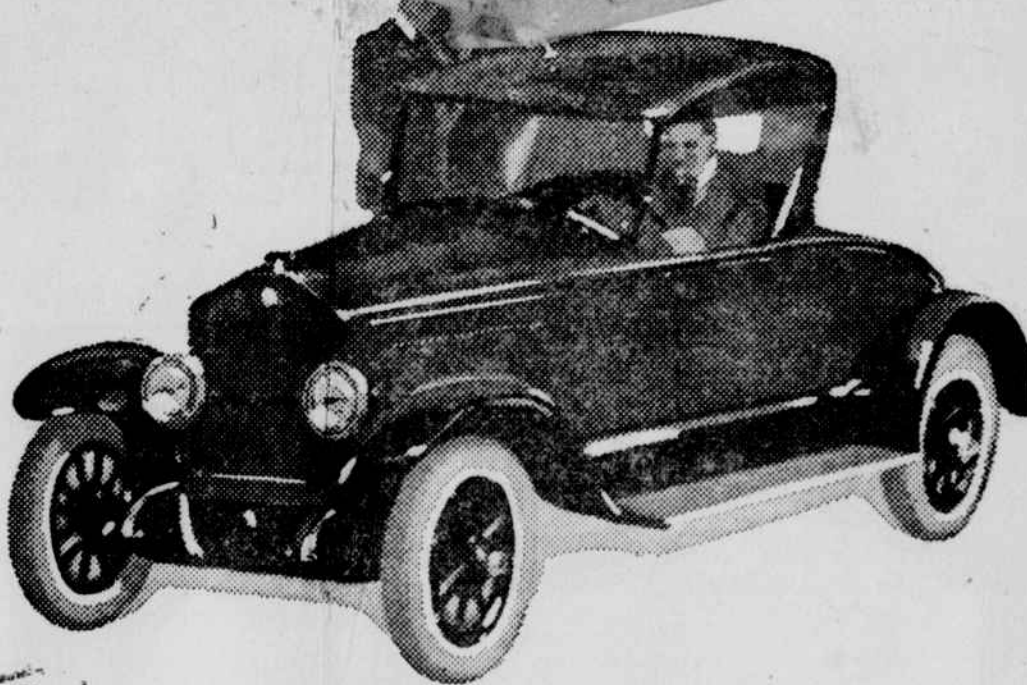
See the  
MARMON  
miniatures  
Space A-23

The "Shimmy" may be all right on the dance floor, but it has no place in an automobile. Want to know how to avoid it? Find out how at Booth D-21, Automobile Show.

# DORT

Quality Goes Clear Through

At Grand Central Palace  
First Space Left of Main Entrance



Here is the Roadster model—one of the members of the family of Dort cars now on view for the first time at the Motor Show.

There is a racy alertness to the smooth-sweeping lines of this model that is in perfect keeping with the ready agility and ease of handling which marks the mechanical quality of the roadster's road performance.

A new seat design adds to your travel comfort and joins with the velvety roadability of the car in bringing you to your destination refreshed and untired in mind and body.

PRICES			
Touring Car	-	-	\$1215
Roadster	-	-	1215
Fourseason Sedan	-	-	1995
Fourseason Coupe	-	-	1865

Open Cars F. O. B. Flint  
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Wire Wheels and Spare tires extra

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First Annual  
**Export Automobile Show**  
HOTEL MAJESTIC  
Central Park West at 72nd Street  
January 8th to 15th  
Sponsored by  
**AMERICAN MOTORS**  
INCORPORATED

FOR the first time in the history of the automobile industry, a distinctive, high-class export exhibition of motor cars, many of the models making their initial appearance in New York City.

Complimentary invitations (no War Tax) may be obtained at any of the following addresses:

American Motors Incorporated  
100 Broad Street

The Automobile Club of America  
247 West 54th Street  
Hotel Majestic  
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Automobile Dealers Association  
1845 Broadway  
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167 W. 57th Street